

A, D = alkyl, aryl or H
 B = *tert*-butyl (tBMA) and dimethylaminoethyl (DMAEMA)
 C = alkyl, aryl or any hydrophobic moieties
 E = H (MAA) or (trimethylammonium)ethyl (TMAEMA)
 F = alkyl, aryl or any hydrophobic moieties

Figure 1
 The synthetic route for the preparation of block copolymer,
 possessing a hydrophobized polyelectrolyte block.

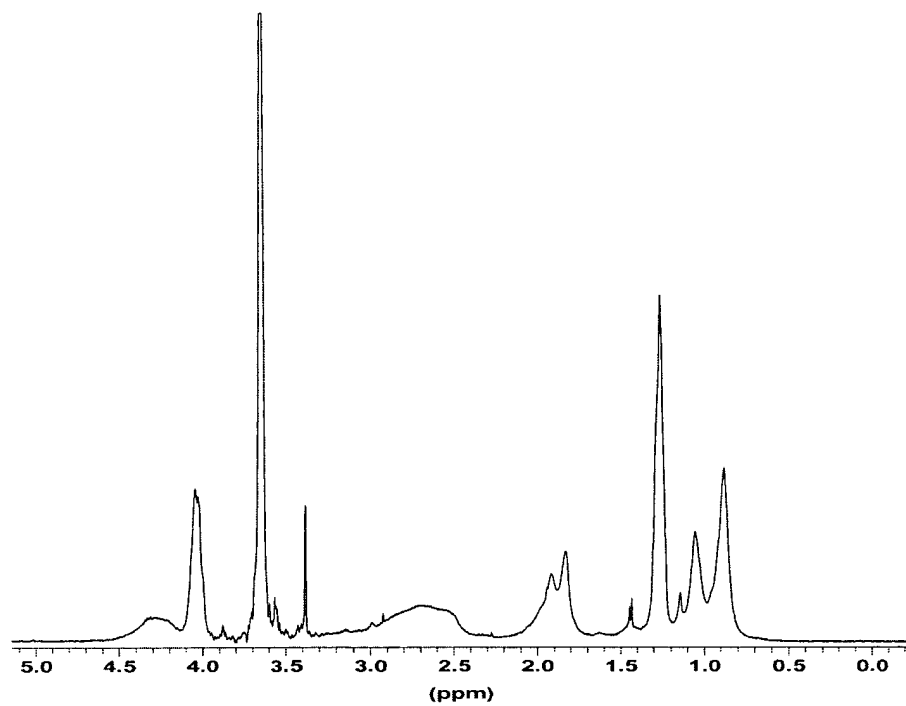


Figure 2

^1H NMR spectrum of PEG-*b*-P(DMAEMA₇₀-co-EMA₃₀) in CDCl₃.

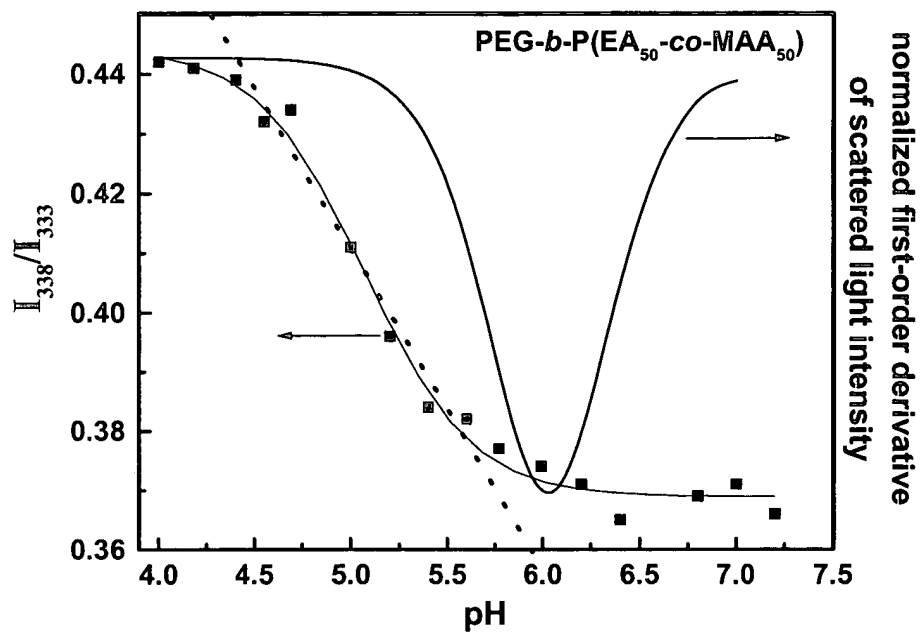


Figure 3

The variation in light scattering and pyrene fluorescence I_{338}/I_{333} ratio of a PEG-*b*-P(EA₅₀-co-MAA₅₀) aqueous solution as a function of pH.

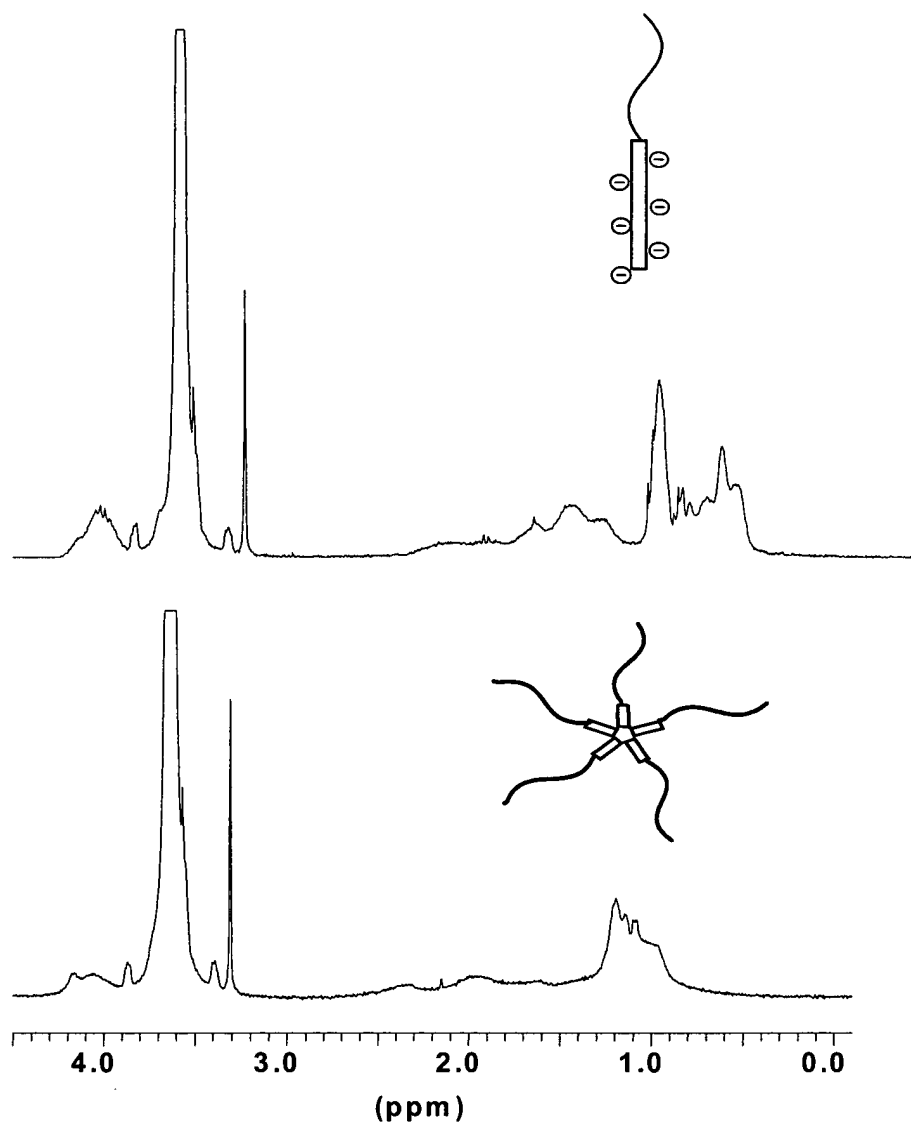


Figure 4
 ^1H NMR spectrum of PEG-*b*-P(EA₅₀-co-MAA₅₀) in D₂O at pH 10 (A)
 and at pH 3 (B).